BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: ADDITIONAL DEVELOPMENTAL WORKS TO VIDYARANYAPURA INDOOR STADIUM NEW WARD NO-14

MODIFIED SCHEDULE-B

Sl No	Modified Quantity	Item Name	Unit	Rate as per Modified Estimate in Rs.	
				In Figures	In Words
1	72.54	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge. complete with all lead and lift and as per directions of the Engineer-in-Charge	Sqm	3000.00	Rupees Three Thousand Only
2	30.04	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge. In cement mortar complete with all lead and lift and as per directions of the Engineer-in-Charge.	Cum	500.00	Rupees Five Hundred Only
	16.22	Qty Above 125%		426.15	Rupees Four Hundred Twenty Six and Fifteen Paise Only
3	92.25	Removing and refixing of footpath slab and as per directions of the Engineer-in-Charge.. (Data Rate)	Sqm	500.00	Rupees Five Hundred Only
4	152.64	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. and as per directions of the Engineer-in-Charge.	Cum	300.00	Rupees Three Hundred Only
	178.15	Qty Above 125%		214.81	Rupees Two Hundred Fourteen and Eighty Paise Only
5	0.00	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. and as per directions of the Engineer-in-Charge.	Cum	3000.00	Rupees Three Thousand Only

Contractor

Executive Engineer

6	25.27	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates. Specification and as per directions of the Engineer-in-Charge.	Cum	6500.00	Rupees Six Thousand Five Hundred Only
	33.09	Qty Above 125%		6414.26	Rupees Six Thousand Four Hundred Fourteen and Twenty Five Paise Only
7	83.94	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) and as per directions of the Engineer-in-Charge.	Cum	6500.00	Rupees Six Thousand Five Hundred Only
	50.05	Qty Above 125%		6180.97	Rupees Six Thousand One Hundred Eighty and Ninety Seven Paise Only
8	101.40	Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of the Engineer-in-Charge.	Sqm	220.00	Rupees Two Hundred Twenty Only
	87.48	Qty Above 125%		229.82	Rupees Two Hundred Twenty Nine and Eighty Two Paise Only

Contractor

Executive Engineer

9	18.38	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and as per directions of the Engineer-in-Charge.	Cum	7000.00	Rupees Seven Thousand Only
10	5.52	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates and as per directions of the Engineer-in-Charge.	Cum	7000.00	Rupees Seven Thousand Only
	12.82	Qty Above 125%		6790.75	Rupees Six Thousand Seven Hundred Ninety and Seventy Five Paise Only
11	1325.94	Providing and fixing Structural Steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	Kg	130.00	Rupees One Hundred Thirty Only
12	3.15	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete and as per directions of the Engineer-in-Charge.	Sqm	1000.00	Rupees One Thousand Only

Contractor

Executive Engineer

13	71.25	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level , including cost of materials, labour and Usage charges of machinery complete as per specifications, and as per directions of the Engineer-in-Charge.	Sqm	1300.00	Rupees One Thousand Three Hundred Only
	108.87	Qty Above 125%		1255.37	Rupees One Thousand Two Hundred Fifty Five and Thirty Six Paise Only
14	0.00	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concretesurfaces. and as per directions of the Engineer-in-Charge.	Sqm	100.00	Rupees One Hundred Only
15	324.87	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. complete with all lead and lift and as per directions of the Engineer-in-Charge.	Cum	250.00	Rupees Two Hundred Fifty Only
	325.10	Qty Above 125%		235.60	Rupees Two Hundred Thirty Five and Fifty Nine Paise Only
16	147.26	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. and as per directions of the Engineer-in-Charge.	Cum	150.00	Rupees One Hundred Fifty Only
	1007.29	Qty Above 125%		136.28	Rupees One Hundred Thirty Six and Twenty Seven Paise Only
17	188.50	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km and as per directions of the Engineer-in-Charge.	t.Km	105.00	Rupees One Hundred Five Only
	1289.34	Qty Above 125%		110.87	Rupees One Hundred Ten and Eighty Six Paise Only

Contractor

Executive Engineer

18	0.00	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials,quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and as per directions of the Engineer-in-Charge.	Cum	7000.00	Rupees Seven Thousand Only
19	0.00	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials,quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates For Columns and as per directions of the Engineer-in-Charge.	Cum	7000.00	Rupees Seven Thousand Only
20	0.00	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates. and as per directions of the Engineer-in-Charge.	Cum	7000.00	Rupees Seven Thousand Only

Contractor

Executive Engineer

21	0.00	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates.and as per directions of the Engineer-in-Charge. First Floor	Cum	7000.00	Rupees Seven Thousand Only
22	28.54	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates. and directions of the Engineer in charge. First Floor	Cum	7000.00	Rupees Seven Thousand Only
23	0.00	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates. aand as per directions of the Engineer-in-Charge. First Floor	Cum	7000.00	Rupees Seven Thousand Only

24	0.00	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates.and as per directions of the Engineer-in-Charge. First Floor	Cum	7000.00	Rupees Seven Thousand Only
25	0.00	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates.and as per directions of the Engineer-in-Charge. First Floor	Cum	7000.00	Rupees Seven Thousand Only
26	0.00	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately). and as per directions of the Engineer-in-Charge.	kg	80.00	Rupees Eighty Only
27	6455.24	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately). and as per directions of the Engineer-in-Charge. First Floor	kg	80.00	Rupees Eighty Only

Contractor

Executive Engineer

28	5.93	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.and as per directions of the Engineer-in-Charge.	Sqm	1800.00	Rupees One Thousand Eight Hundred Only
	18.12	Qty Above 125%		1381.25	Rupees One Thousand Three Hundred Eighty One and Twenty Four Paise Only
29	237.08	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.and as per directions of the Engineer-in-Charge. First Floor	Sqm	1800.00	Rupees One Thousand Eight Hundred Only
	48.76	Qty Above 125%		1395.06	Rupees One Thousand Three Hundred Ninety Five and Six Paise Only
30	9.38	Providing 20 mm cement plaster of mix :1:6 (1 cement: 6 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications aand as per directions of the Engineer-in-Charge.	Sqm	400.00	Rupees Four Hundred Only
31	8.40	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates. and as per directions of the Engineer-in-Charge.	Cum	7000.00	Rupees Seven Thousand Only

32	34.56	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of the Engineer-in-Charge.	Sqm	380.00	Rupees Three Hundred Eighty Only
	270.52	Qty Above 125%		371.87	Rupees Three Hundred Seventy One and Eighty Seven Paise Only
33	0.00	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of the Engineer-in-Charge.. First Floor	Sqm	380.00	Rupees Three Hundred Eighty Only
34	442.30	Providing 12 mm cement plaster with Cement mortar 1:3 (1cement: 3 coarse sand) finished with a floating coat of neat cement to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of the Engineer-in-Charge.	Sqm	250.00	Rupees Two Hundred Fifty Only
35	830.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of the Engineer-in-Charge.	Sqm	90.00	Rupees Ninety Only
	442.82	Qty Above 125%		95.86	Rupees Ninety Five and Eighty Five Paise Only
36	830.80	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of the Engineer-in-Charge.	Sqm	120.00	Rupees One Hundred Twenty Only

Contractor

Executive Engineer

	119.54	Qty Above 125%		150.14	Rupees One Hundred Fifty and Thirteen Paise Only
37	0.00	Finishing walls with textured exterior paint of required shade :New work (Two coats applied @ 3.28 ltr/10 m²) over and including priming coat of exterior primer applied @ 2.20kg/10 m² to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of the Engineer-in-Charge.	Sqm	300.00	Rupees Three Hundred Only
38	0.00	Providing and laying 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement and as per directions of the Engineer-in-Charge.	Sqm	800.00	Rupees Eight Hundred Only
39	18.52	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge : ** Flamed finish granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent and as per directions of the Engineer-	Sqm	2300.00	Rupees Two Thousand Three Hundred Only
40	102.44	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joints with white cement and matching pigments etc., complete.and as per directions of the Engineer-in-Charge.	Sqm	1200.00	Rupees One Thousand Two Hundred Only
41	155.21	Providing Venyl flooring of approved quality and make, fixed on the top of existing flooring fixed with suitable adhesive, including cutting to the requied size and fixing etc., complete licluding cost of all materials, mortar, labour, curing etc., complete as per specification. and as per directions of the Engineer-in-Charge.	Sqm	800.00	Rupees Eight Hundred Only

Contractor

Executive Engineer

42	0.00	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. and as per directions of the	Nos	1800.00	Rupees One Thousand Eight Hundred Only
43	0.00	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, usage charges complete as per specification and as per directions of the Engineer-in-Charge.	Cum	100000.00	Rupees One lakh Only
44	0.00	Providing and fixing in position fully panelled Honne wood shutters for doors with , stiles and rails of 35mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures) and as per directions of the Engineer-in-Charge.	Sqm	5000.00	Rupees Five Thousand Only
45	0.00	Painting wood work with Deluxe Multi Surface Paint of required shade. Two coat applied @ 0.90 ltr/10 m^2 over an under coat of primer applied @0.75 ltr/10 m^2 of approved brand and manufacture to give an even shade including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, sand papering and knotting , cost of materials, labour complete as per specifications and as per directions of the Engineer-in-Charge.	Sqm	100.00	Rupees One Hundred Only
46	283.50	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc and as per directions of the Engineer-in-Charge.	kg	160.00	Rupees One Hundred Sixty Only
	112.90	Qty Above 125%		181.32	Rupees One Hundred Eighty One and Thirty One Paise Only

Contractor

Executive Engineer

47	13.50	Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). and as per directions of the Engineer-in-Charge.	Sqm	8000.00	Rupees Eight Thousand Only
	18.02	Qty Above 125%		8361.40	Rupees Eight Thousand Three Hundred Sixty One and Forty Paise Only
48	0.00	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications aand as per directions of the Engineer-in-Charge.	sqm	120.00	Rupees One Hundred Twenty Only
49	271.70	Providing Venyl flooring of approved quality and make, fixed on the top of existing flooring fixed with suitable adhesive, including cutting to the requied size and fixing etc., complete Iicluding cost of all materials, mortar, labour, curing etc., complete as per specification. and as per directions of the Engineer-in-Charge.	Sqm	800.00	Rupees Eight Hundred Only
50	9.84	Providing and fixing Acoustic Veneer paneling, over the 50mm x 35mm sal wood frame work at spacing not exceeding 600mm c/c fixed to the wall filled with 50mm thick 32kg density glass wool and top covered out of 4mm thick approved quality Veneer, fixed over 19mm thick ply strips of 100mm to 200mm with a gap of 6mm to 10mm in between strips of approved brand, termite and water resistant, finished with melamine polish, complete including cost and conveyance of all materials, labour for all items of work, HOM complete as per specification and as per directions of the Engineer-in-Charge.	Sqm	7000.00	Rupees Seven Thousand Only

51	325.93	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	Kg	600.00	Rupees Six Hundred Only
52	0.00	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	kg	600.00	Rupees Six Hundred Only
53	73.51	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers and as per directions of the Engineer-in-Charge.	Sqm	800.00	Rupees Eight Hundred Only

Contractor

Executive Engineer

54	2551.02	Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Electric resistance or induction butt welded tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	Kg	120.00	Rupees One Hundred Twenty Only
	7414.13	Qty Above 125%		127.04	Rupees One Hundred Twenty Seven and Three Paise Only
55	405.00	Providing and laying water proofing treatment to the Retaining wall area with PU Elastomeric Single component liquid applied, cold applied, moisture cured high tensile elastomeric PU waterproofing membrane having elongation of more than 400% and having solid content of above 90% @ 1.6kg per m2 in 2 coats to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g/ m2. The cost is inclusive of surface preparation, crack filling, repair of loose mortar etc. completely as per specification & with a 10 years warranty on product & work from certified manufacturers and as per directions of the Engineer-in-Charge.	Sqm	700.00	Rupees Seven Hundred Only
56	319.50	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & boning rods at every 100 mm whevere necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. and as per directions of the Engineer-in-Charge.	Cum	210.00	Rupees Two Hundred Ten Only
	1154.25	Qty Above 125%		224.05	Rupees Two Hundred Twenty Four and Four Paise Only

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57	75.00	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25 mm dia 2 mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary and as per directions of the Engineer-in-Charge.	Mtr	70.00	Rupees Seventy Only
58	50.60	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 1.5Sqmm. and as per directions of the Engineer-in-Charge.	Mtr	60.00	Rupees Sixty Only
59	8.00	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mauling with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100 V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with ..... W System Power consumption. LED Efficiency> 1301m/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL / CPRI & any	Each	22000.00	Rupees Twenty Two Thousand Only

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60	5.00	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mauling with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100 V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with ..... W System Power consumption. LED Efficiency> 1301m/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL / CPRI & any	Each	12000.00	Rupees Twelve Thousand Only
61	21.00	Fabrication, Supplying, Erection, Testing and Commissioning of ..... ms long Polygon high mast with Single/Multiple telescopic sections having, (minimum overlap distance of 1.5 times of top section) thickness as per BSEN 10025 grades 355 JO/ASTM A572-50 steel sheet plate for shaft suitable to withstand a wind velocity of 47 m/s as per IS 875 part 3(as per GA Drawing). Base plate as per IS 2062/ASTM A572-50. The mast shall be Galvanized in single Hot-dip as per BSEN ISO 1461/ASTM A123 with an average 70 microns as per IS 2629, and welded as per BS 5135 Single L-Seam joint The mast shall have 2 Way head frame with die cast LM-6 pulleys, stainless steel axle, Phosphorus Bronze bearing bush press-fitted with separate guides for 2 runs of 5 mm dia, stainless steel wire rope of AISI 304grade 7/19-core, (Factor of Safety as per TR no-7). 2.5 mm2 EPR insulated PCP sheathed trailing power cable housed inside the bottom shaft of mast with door having locking arrangement The mast shall have manual/power tool (Suitable reversible geared motor operating on 230/415V, 50Hz, shall be provide above 15 Mtr mast) The mast shall have lantern of 2	Each	110000.00	Rupees One lakh Ten Thousand Only

Contractor

Executive Engineer

62	90.00	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm.Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design &	Each	21000.00	Rupees Twenty One Thousand Only
	18.00	Qty Above 125%		20993.80	Rupees Twenty Thousand Nine Hundred Ninety Three and Eighty Paise Only
63	0.88	Supplying of 1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 25 Sqmm, 3.5 Core, (12 GI Strips - 4 x 0.8 mm) and as per directions of the Engineer-in-Charge.	KM	250000.00	Rupees Two lakh Fifty Thousand Only
64	1.00	Compact RMU (VCB/SF6 Type) with Copper Busbar, 350 MVA, 630 Amps as per IEC62271/IS-3427 4 Way RMU, 2 OD + 2 VL (One Incomer + Two Breakers + One Outgoing) .(and as per directions of the Engineer-in-Charge.	Each	800000.00	Rupees Eight lakh Only
65	0.04	11 kV, 3 Core, XPLE HTUG Cable with pressure extruded inner sheeth, ROUND WIRE ARMOURED as per IS-7098 (Part-2) Armouring wires dia and Resistivity as per IS-3975 95 Sqmm, (54 GI Wires - 2.5 mm Dia). and as per directions of the Engineer-in-Charge.	Km	1200000.00	Rupees Twelve lakh Only
66	78.00	60W highbay LED linear type light fixture make-crompton ,model -LHBL60CDL and as per directions of the Engineer-in-Charge. (Data Rate to be Approved)	Each	8000.00	Rupees Eight Thousand Only

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67	0.00	Executive Bench-Made out of Sadarahalli grey granite stone with hand supports with 3 line finishing with arch/plain design with 100mm slabs height 90x Length 1500 width 45cms (1.50*0.45*0.90m) (Including lead and lift Charges) (inclusive of all taxes) and as per directions of the Engineer-in-Charge.. (Data approved rate)	Nos	15000.00	Rupees Fifteen Thousand Only
68	0.00	Providing and Fixing Volleyball and Throw Ball Court Poles. The Rates including cost of all materials, labour, packing joints and mortar, finishing curing all lead and lift, transportation and also including all applicable taxes, etc., complete and as per directions of the Engineer-in-Charge. (Market rate to be approved) .	Nos	30000.00	Rupees Thirty Thousand Only
69	0.00	Providing and Fixing Volleyball Net The Rates including cost of all materials, labour, packing joints and mortar, finishing curing all lead and lift, transportation and also including all applicable taxes, etc., complete and as per directions of the Engineer-in-Charge. (Market rate to be approved) .	no	10000.00	Rupees Ten Thousand Only
70	0.00	Providing and Fixing Throw Ball Net.The Rates including cost of all materials, labour, packing joints and mortar, finishing curing all lead and lift, transportation and also including all applicable taxes, etc., complete and as per directions of the Engineer-in-Charge. (Market rate to be approved) .	no	10000.00	Rupees Ten Thousand Only
71	0.00	Providing and Fixing Kho-Kho Wooden Pole. The Rates including cost of all materials, labour, packing joints and mortar, finishing curing all lead and lift, transportation and also including all applicable taxes, etc., complete and as per directions of the Engineer-in-Charge. (Market rate to be approved) .	No	10000.00	Rupees Ten Thousand Only
72	5.00	Supply and Installation of Table Tennis Tables of Approved Brands like Stiga, Stag, Butterfly, Yasaka, Cornilleau or any Approved brand as per directions of the Engineer incharge. The Rates including cost of all materials, labour, packing joints and mortar, finishing curing all lead and lift, transportation and also including all applicable taxes, etc., complete and as per directions of the Engineer-in-Charge. (Market rate to be approved) .	no	100000.00	Rupees One lakh Only
73	1451.57	Providing and constructing standard Rubber Flooring for indoor area using Rubber membrain of 12mm to 16mm thick to be layed over Prepared Cement Morter / concrete Surface using CM 1:6 beneath rubber membrain including cost o all materials, labour, packing joints and mortar, finishing curing all lead and lift, transportation and also including all applicable taxes, etc., complete and as per directions of the Engineer-in-Charge. (Market rate to be approved)	Sqm	5500.00	Rupees Five Thousand Five Hundred Only

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74	21.81	Providing and Installing Rubber Column Safety Guard made of 50mm Leather with Soft Foam Rubber Cushioning inside with 12mm waterproof plywood including cost of all materials, labour, packing joints and mortar, finishing curing all lead and lift, transportation and also including all applicable taxes, etc., complete and as per directions of the Engineer-in-Charge. (Market rate to be approved)	Sqm	7000.00	Rupees Seven Thousand Only
75	5.85	Providing Aluminium name Board with using MS pipe for board safety and also LED Lighting with 3D Sign Letters, including cost of all materials, labour, packing joints and mortar, finishing curing all lead and lift, transportation and also including all applicable taxes, etc., complete and as per directions of the Engineer-in-Charge. (Market rate to be approved)	Sqm	20000.00	Rupees Twenty Thousand Only
76	4.39	Providing Aluminium name Board with 3D Sign Letters, including cost of all materials, labour, packing joints and mortar, finishing curing all lead and lift, transportation and also including all applicable taxes, etc., complete and as per directions of the Engineer-in-Charge. (Market rate to be approved) Name Board	Sqm	11000.00	Rupees Eleven Thousand Only
77	231.37	Supply and Installation of approved Wooden Floor for Indoor Hall - Maple Flooring with PU Scaler and coat polish 20mm,thickness 60mm width 2000mm, third &better grade treated sleepers of size 30*60mm to be installed 30cm center to center 20mmm professional EPDM rubber pad inclusive of HOM, labour etc. and as per directions of the Engineer-in-Charge. (Data Rate)	Sqm	16500.00	Rupees Sixteen Thousand Five Hundred Only
E1	1139.54	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge(PWD SR 2021-22 Vol -II Pg 48 item no 8.39)	Sqm	109.71	Rupees One Hundred Nine and Seventy One Paise Only
E2	668.79	Finishing walls with Acrylic Smooth exterior paint of required shade:New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(PWD SR 2021-22 Vol -II Pg 46 item no 8.3)	Sqm	157.07	Rupees One Hundred Fifty Seven and Six Paise Only

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E3	302.26	Providing and fixing PUF Pannel with precoated galvanised iron profile sheets on the top surface and a ribbed liner tray on the underside and a sandwiched insulation cover. The Profile is as follows- Inner skin: Ribbed liner, aluminium foil/craft paper Outer skin: 35x250mm trapezoidal profile with 2 secondary ribs and anti-capillary flute. The panel thickness of 50 mm. Surface finish: Metallic, solid colours, Polyvinylidene fluoride (PVDF) & super polyster coatings. The Specifications of precoated galvanised iron profile sheets is as follows (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet hould have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 m or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/self tapping screws of size (5.5x 55 mm) with EPDM seal,	Sqm	3730.67	Rupees Three Thousand Seven Hundred Thirty and Sixty Seven Paise Only
E4	37.20	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :Gutter (600 mm over all girth) (PWD SR 2021-22 Vol -II Pg 27 item no 7.39.6)	Rmt	987.43	Rupees Nine Hundred Eighty Seven and Forty Three Paise Only
E5	56.60	Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS:13592 Type A, including jointing with seal ring conforming to IS:5382, leaving 10mm gap for thermal expansion, [i] single socketed pipes (PWD SR 2021-22 1st Corrigenda Vol II. SL No. 27 .Item No 13.48)	Rmt	292.19	Rupees Two Hundred Ninety Two and Eighteen Paise Only
E6	4.00	Providing and fixing Net pole Total Weight 200 KG Material used; Carborudum,Poles gauge:14,Top Wheel type,PaintType: Epoxy Painting,Movable Type: Portable on wheels .Height ; 5.1ft. Tapered box with Yonex Standred Net as Per Specification etc., complete including transportation installation at site.(Data rate)	Each	33596.80	Rupees Thirty Three Thousand Five Hundred Ninety Six and Eighty Paise Only

Contractor

Executive Engineer